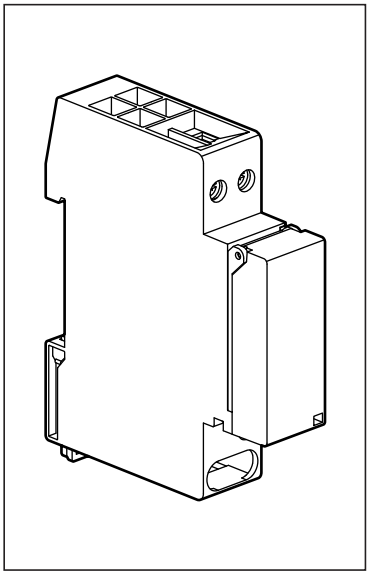
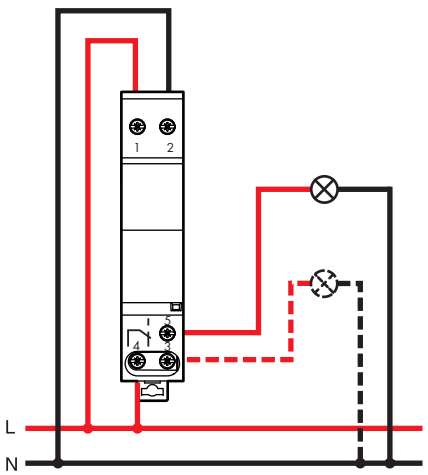
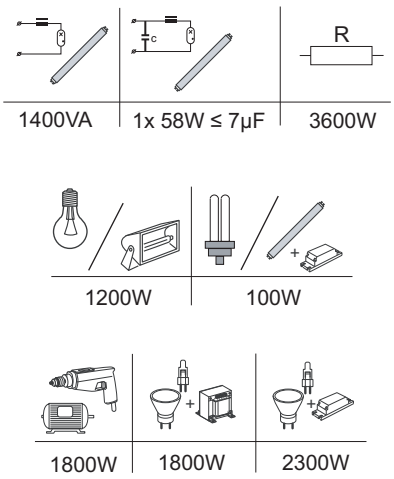
SIEMENS

7LF4 4015

GB







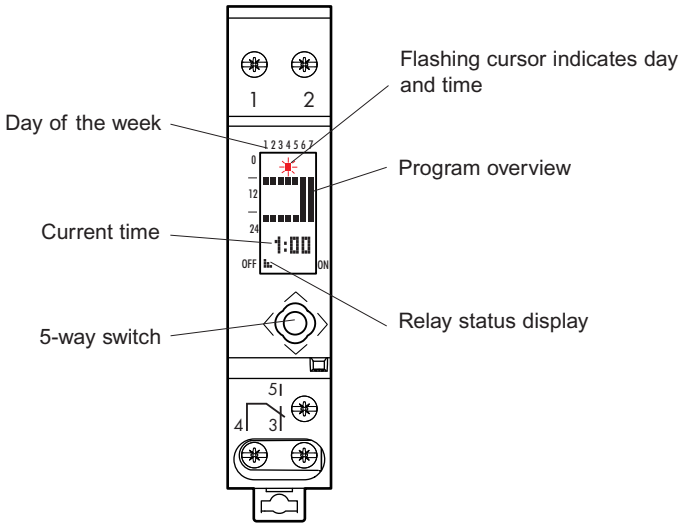
Safety notes

This product may be installed only by a qualified electrician. Non-compliance may result in a fire hazard or electric shocks. Before installation, read the operating instructions and observe the product-specific requirements for the installation location. Use only original spare parts for repair and maintenance. Unauthorised opening and repair by other persons will invalidate all claims for liability, replacement or warranty services.

Technical Data

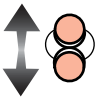
Supply voltage:	110 / 240V 50/60Hz	
Power consumption:	< 0,1 W	
Relay output:	1 changeover contact 16A 250V~ cos φ = 1	
Accuracy:	± 1 s /day at 25°C	
	single-strand	multi-strand
Wire cross-sections:	1,5...4 mm²	1,5...2,5 mm²
Program blocks:	28 adjustable	
Battery reserve:	6 years	
Operating modes:	Mains power (the relay does not switch in the event of a power failure)	
	Battery operation, full operation without mains power.	

Operating temperature:	- 10°C to +55°C
Storage temperature:	- 10°C to +60°C
Operating principle:	Type 1.B. S. T. IEC/EN 60730-1,
	IEC/EN 60730-2-7
Operation in a normal environment	
Degree of contamination:	2
Installation:	in distribution panel

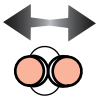


5-way switch

Opens menu selection.
Confirm a selection or apply the parameters (OK).



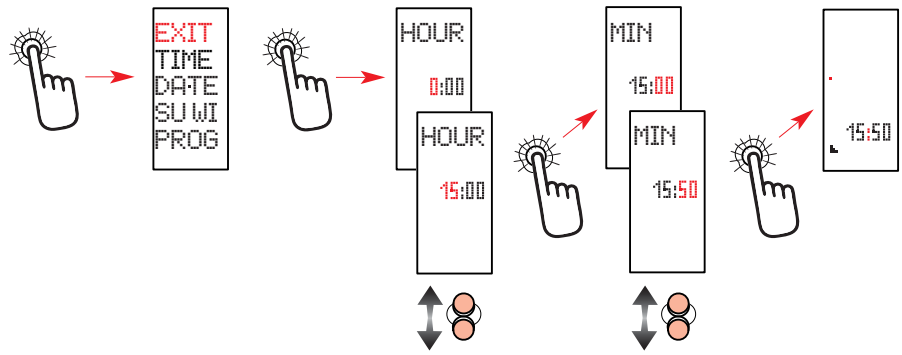
Select the options or set the parameters.



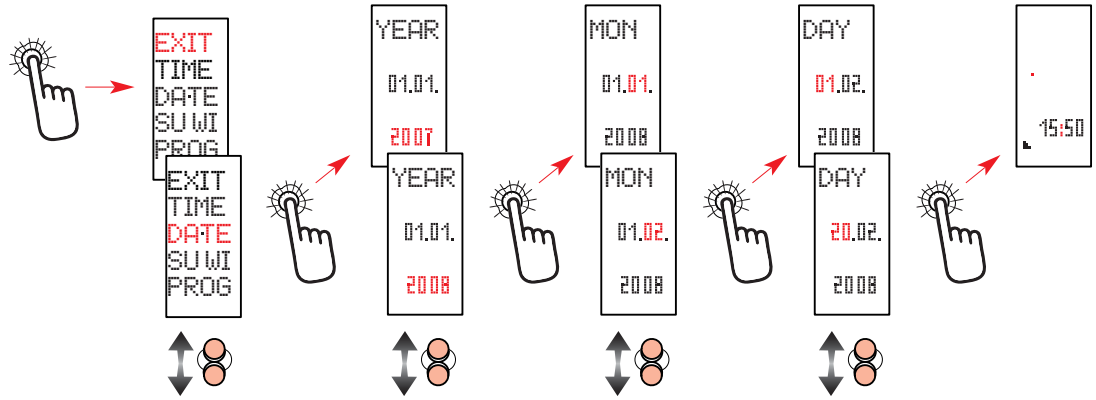
Set and enable/disable the switching times.

292350/01 251426.41.19 "02"

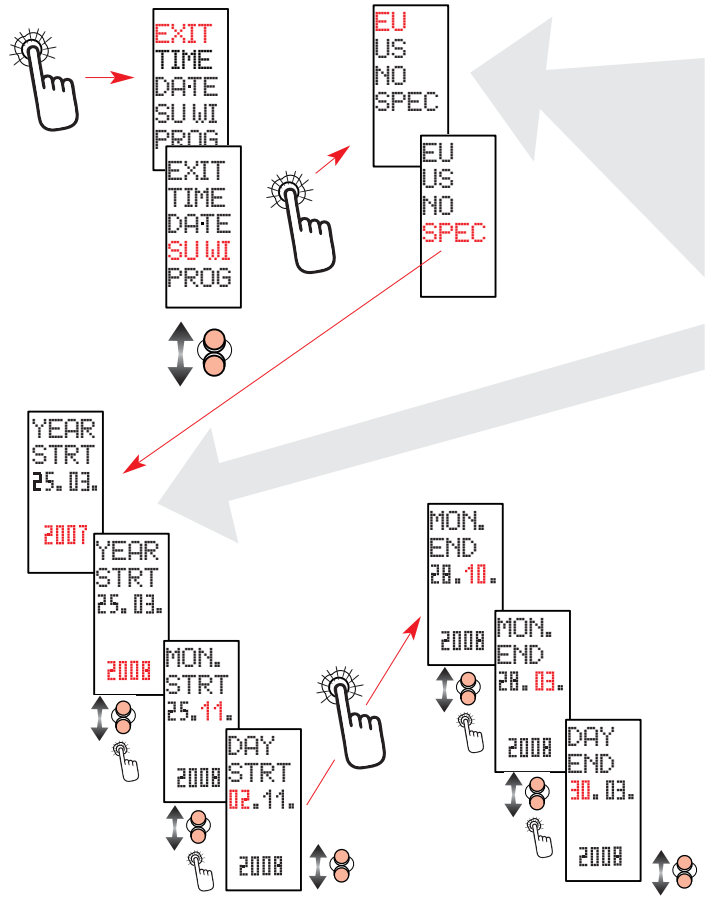
1 Setting the time



Setting the date



Changing to summer time +1h

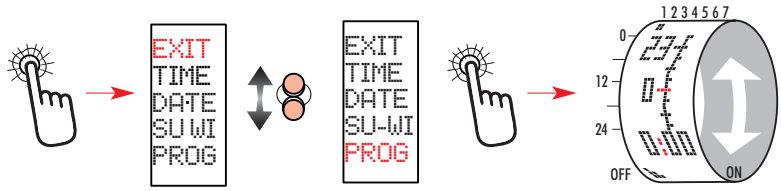


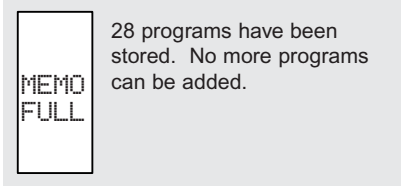
Setting	Summer time begins	Summer time ends	Applies to
EU	Last Sunday in March	Last Sunday in October	European Union
US	Second Sunday in March	First Sunday in November	North America
NO	No change	No change	
SPEC	**Freely programmable summer time/winter time changeover date** Enter the summer time starting date and ending date in your location or country here. The corresponding day of the week will be determined automatically from the date entered. The system also determines whether the day of the week falls in the first, second, third or last week of the month. The change will take place on the same day of the week in the corresponding week each year.		

2 Programming

Programming is carried out in the same way as with a mechanical timer. Programming can be done in either mains or battery power mode.

After setting a program, press the OK button to save it and view it in the program overview (see page 1). If no buttons are pressed for 1 minute during programming, the current program will be saved.

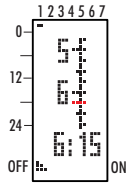




28 programs have been stored. No more programs can be added.

1. Virtually turn the dial to select the switch-on time first, e.g. Monday 06.15

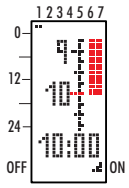
   Use to select the hour, in this case 6. Then use to set the minutes.



2. Use to enable the switch-on period, e.g. Monday 6:15 until Monday 10:00

   Hold down the 5-way switch to program in 15-minute increments.

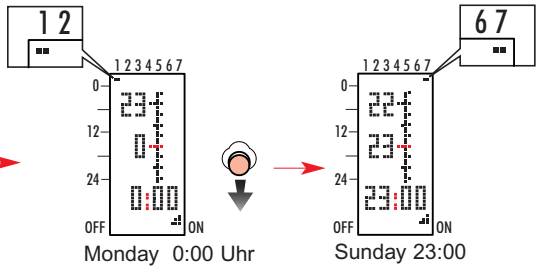
   Use to alter the switch-on period.



   Turn the button to reduce the switch-on period (OFF) or to extend the switch-on period (ON).

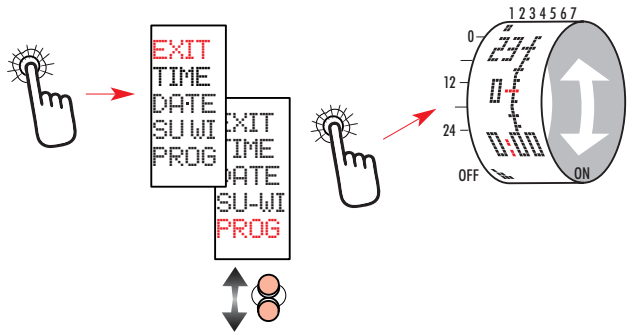
   Program all the other switching times.

3. The day changes at 00:00 hours.



4. Confirm the setting.

3 Altering/deleting programs



1. Select the switching time and .

2. Use to alter the switch-on period.

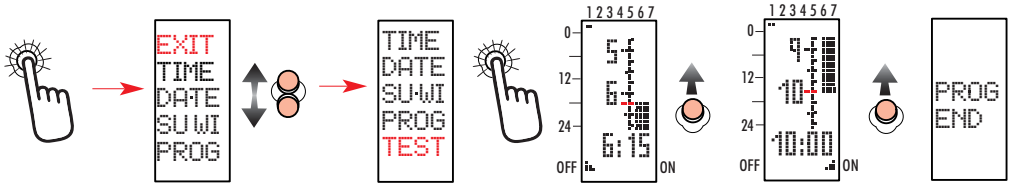
   Turn the button to reduce the switch-on period (OFF) or

   to extend the switch-on period (ON).

3. Confirm the setting.

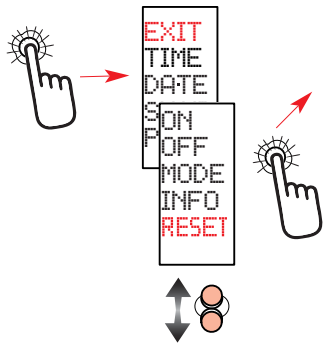
4 Testing

Display the switching times from Monday to Sunday.
Each upward movement of the 5-way switch moves the display to the next switching state change. After the last switching state change in a week, the display shows PROG END.

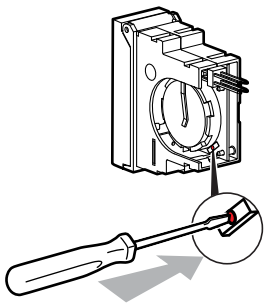


No program set

5 Reset



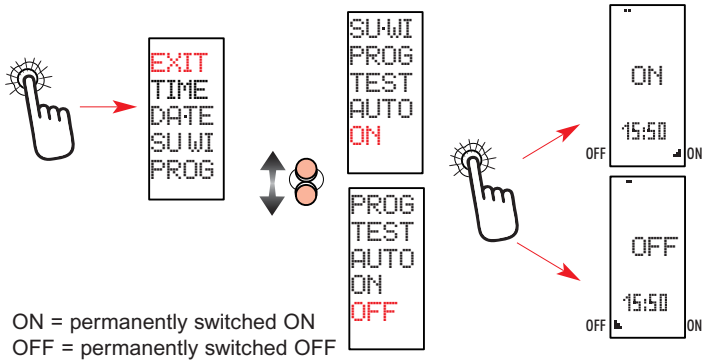
Hardware Reset



The following switching programs are deleted	
Time	00:00 Uhr
Date	01.01.2007
Summer time	EUROPA
Function	AUTO
Mode	V-AC (mains power)

Note: if a reset takes place in battery power mode, you must re-select battery power mode under the MODE option. Otherwise, the time clock will operate in mains failure mode and the switching programs will **not** be executed.

6 Permanent switching ON/OFF



ON = permanently switched ON
OFF = permanently switched OFF

For automatic operation, select AUTO.

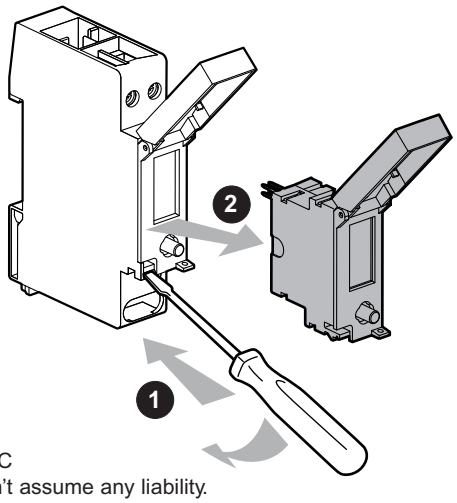
7 Mains failure

If a mains failure occurs, the display is blank.
The relay state is maintained.
When mains power is restored, the display reappears after 5 seconds.

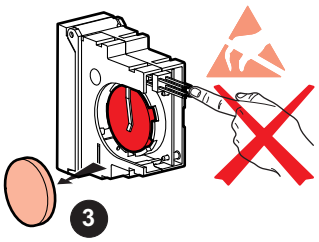
Press the 5-way switch (> 1 sec) to activate the display. The time clock can then be programmed.
When mains power is restored, the switching program will be executed according to the programs previously set.

8 Changing the battery

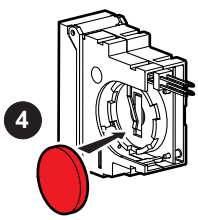
The device must be disconnected from the mains power supply before dismantling the module.
Replace the module before reconnecting mains power to the device.

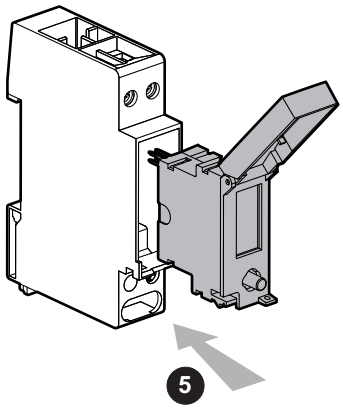


Battery type: lithium cell CR2032
Manufacturer: Panasonic/Renata
High temperature type min + 70°C
In case of use other cells we don't assume any liability.



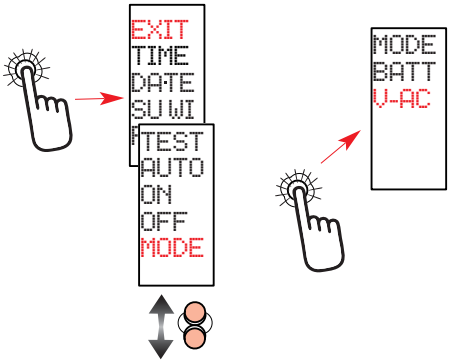
To avoid loss of data, the battery should be replaced within 7 seconds.





Note: After fitting the module in BATT operating mode, it may take up to 1 hour for the switching output to apply the module set state.

9 Battery power = BATT
Mains power = V-AC



In **battery power mode BATT** all the power is supplied by the lithium cell. A mains power supply is not needed in this case. The life of the lithium cell will be shorter in battery power mode than in the factory setting of mains power mode. Press the 5-way switch (> 1 sec) to operate. The switching programs will be executed and the relay switches even without mains power. The sound of the relay switching every hour is due to the refresh (relay status is refreshed).

In **mains power mode V-AC** (factory setting) the display switches off if a mains power failure occurs. After pressing the 5-way switch (> 1 sec) the time clock can be programmed. The switching programs are **not** executed in mains failure mode.
When mains power is restored, the relay will switch again according to the programs previously set.
The sound of the relay switching every minute is due to the refresh (relay status is refreshed).